STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/553,729A_

Source: _1Fwp_

Date Processed by STIC: _3/8/07_

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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
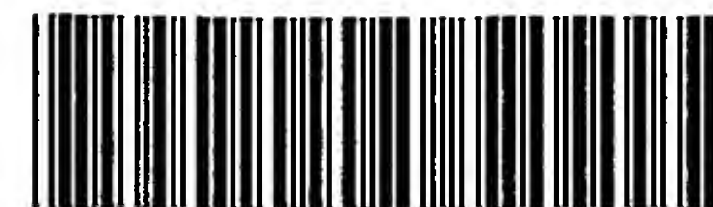http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

IFWO

RAW SEQUENCE LISTING   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:23

Input Set : N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt
Output Set: N:\CRF4\03082007\J553729A.raw

```
   3 <110> APPLICANT: Sirna Therapeutics, Inc.
   4       McSwiggen, James
   5       Chowira, Bharat
   6       Haeberli, Peter
   8 <120> TITLE OF INVENTION: Interference Mediated Inhibition of Severe Acute Respiratory
   9       Syndrome (SARS) Virus Gene Expression Using Short Interfering
  10       Nucleic Acid (siNA)
  12 <130> FILE REFERENCE: 03-344-J (400.110US)
  14 <140> CURRENT APPLICATION NUMBER: 10/553,729A
C--> 15 <141> CURRENT FILING DATE: 2005-10-14
  17 <160> NUMBER OF SEQ ID NOS: 3392
  19 <170> SOFTWARE: PatentIn version 3.3
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 19
  23 <212> TYPE: RNA
  24 <213> ORGANISM: Artificial Sequence
  26 <220> FEATURE:
  27 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
  28       sense region
  30 <400> SEQUENCE: 1
  31 acccaggaaa agccaacca                                                  19
  34 <210> SEQ ID NO: 2
  35 <211> LENGTH: 19
  36 <212> TYPE: RNA
  37 <213> ORGANISM: Artificial Sequence
  39 <220> FEATURE:
  40 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
  41       sense region
  43 <400> SEQUENCE: 2
  44 aaccucgauc ucuuguaga                                                  19
  47 <210> SEQ ID NO: 3
  48 <211> LENGTH: 19
  49 <212> TYPE: RNA
  50 <213> ORGANISM: Artificial Sequence
  52 <220> FEATURE:
  53 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
  54       sense region
  56 <400> SEQUENCE: 3
  57 aucuguucuc uaaacgaac                                                  19
  60 <210> SEQ ID NO: 4
  61 <211> LENGTH: 19
  62 <212> TYPE: RNA
  63 <213> ORGANISM: Artificial Sequence
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Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:23

Input Set : N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt
Output Set: N:\CRF4\03082007\J553729A.raw

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65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
67       sense region
69 <400> SEQUENCE: 4
70 cuuuaaaauc uguguagcu                                                    19
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 19
75 <212> TYPE: RNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
80       sense region
82 <400> SEQUENCE: 5
83 ugucgcucgg cugcaugcc                                                    19
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 19
88 <212> TYPE: RNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
93       sense region
95 <400> SEQUENCE: 6
96 cuagugcacc uacgcagua                                                    19
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 19
101 <212> TYPE: RNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
106       sense region
108 <400> SEQUENCE: 7
109 auaaacaaua auaaauuuu                                                    19
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 19
114 <212> TYPE: RNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
119       sense region
121 <400> SEQUENCE: 8
122 uacugucguu gacaagaaa                                                    19
125 <210> SEQ ID NO: 9
126 <211> LENGTH: 19
127 <212> TYPE: RNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
132       sense region
134 <400> SEQUENCE: 9
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RAW SEQUENCE LISTING   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:23

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

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135 acgaguaacu cgucccucu                                          19
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140 <212> TYPE: RNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
145      sense region
147 <400> SEQUENCE: 10
148 uucugcagac ugcuuacgg                                          19
151 <210> SEQ ID NO: 11
152 <211> LENGTH: 19
153 <212> TYPE: RNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
158      sense region
160 <400> SEQUENCE: 11
161 guuucguccg uguugcagu                                          19
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 19
166 <212> TYPE: RNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
171      sense region
173 <400> SEQUENCE: 12
174 ucgaucauca gcauaccua                                          19
177 <210> SEQ ID NO: 13
178 <211> LENGTH: 19
179 <212> TYPE: RNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
184      sense region
186 <400> SEQUENCE: 13
187 agguuucguc cggguguga                                          19
190 <210> SEQ ID NO: 14
191 <211> LENGTH: 19
192 <212> TYPE: RNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
197      sense region
199 <400> SEQUENCE: 14
200 accgaaaggu aagauggag                                          19
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 19
205 <212> TYPE: RNA
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RAW SEQUENCE LISTING   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:23

Input Set : N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt
Output Set: N:\CRF4\03082007\J553729A.raw

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206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
210       sense region
212 <400> SEQUENCE: 15
213 gagccuuguu cuugguguc                                                  19
216 <210> SEQ ID NO: 16
217 <211> LENGTH: 19
218 <212> TYPE: RNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
223       sense region
225 <400> SEQUENCE: 16
226 caacgagaaa acacacguc                                                  19
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 19
231 <212> TYPE: RNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
236       sense region
238 <400> SEQUENCE: 17
239 ccaacucagu uugccuguc                                                  19
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 19
244 <212> TYPE: RNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
249       sense region
251 <400> SEQUENCE: 18
252 ccuucagguu agagacgug                                                  19
255 <210> SEQ ID NO: 19
256 <211> LENGTH: 19
257 <212> TYPE: RNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
262       sense region
264 <400> SEQUENCE: 19
265 gcuagugcgu ggcuucggg                                                  19
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 19
270 <212> TYPE: RNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
275       sense region
```

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277 <400> SEQUENCE: 20
278 ggacucugug gaagaggcc                                           19
281 <210> SEQ ID NO: 21
282 <211> LENGTH: 19
283 <212> TYPE: RNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
288       sense region
290 <400> SEQUENCE: 21
291 ccuaucggag gcacgugaa                                           19
294 <210> SEQ ID NO: 22
295 <211> LENGTH: 19
296 <212> TYPE: RNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
301       sense region
303 <400> SEQUENCE: 22
304 acaccucaaa aauggcacu                                           19
307 <210> SEQ ID NO: 23
308 <211> LENGTH: 19
309 <212> TYPE: RNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
314       sense region
316 <400> SEQUENCE: 23
317 uuguggucua guagagcug                                           19
320 <210> SEQ ID NO: 24
321 <211> LENGTH: 19
322 <212> TYPE: RNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
327       sense region
329 <400> SEQUENCE: 24
330 ggaaaaaggc guacugccc                                           19
333 <210> SEQ ID NO: 25
334 <211> LENGTH: 19
335 <212> TYPE: RNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
340       sense region
342 <400> SEQUENCE: 25
343 ccagcuugaa cagcccuau                                           19
346 <210> SEQ ID NO: 26
347 <211> LENGTH: 19
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:24

FYI

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3375; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3376; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3377; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3378; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3379; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3380; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3381; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3382; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:3383; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY   DATE: 03/08/2007
PATENT APPLICATION: US/10/553,729A   TIME: 14:59:24

Input Set : **N:\efs\03_08_07\10553729A_efs\03-344-J_Seq_List.txt**
Output Set: **N:\CRF4\03082007\J553729A.raw**

```
L:15    M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:44810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3375 after pos.:0
L:44837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3376 after pos.:0
L:44865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3377 after pos.:0
L:44898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3378 after pos.:0
L:44931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3379 after pos.:0
L:44964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3380 after pos.:0
L:44998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3381 after pos.:0
L:45031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3382 after pos.:0
L:45066 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3383 after pos.:0
```

```
<210>  3375
<211>  21
<212>  DNA
<213>  Artificial Sequence

<220>
<223>  Description of Artificial Sequence:   siNA sense region

<220>
<221>  misc_feature
<222>   (1)..(1)
<223>  5'-3 attached terminal deoxyabasic moiety

<220>
<221>  misc_feature
<222>   (21)..(21)
<223>  3'-3 attached terminal deoxyabasic moiety

<220>
<221>  misc_feature
<222>   (20)..(21)
<223>  n stands for any nucleotide

<400>  3375
nnnnnnnnnn nnnnnnnnnn n                                               21
```

these are not explained in the <220>-<223> section (handwritten annotation)